

# SIGNAT



## PLATINUM

*Cables and Accessories - '08/'09*

## Signat - for professionals

Signat originates from the German manufacturer Autosound, since the early 1980's experienced in the car audio segment. In 1992 Autosound first launched its A-brand with the name Signat. This is a derivation of the word 'signature', which refers to the individual marks and qualities of each and every design. The rich history of the Signat brand features many monumental highlights, like the phenomenal FLAG amplifier and its successors LOG, LAB and RAMbo amplifiers. In order to generate the maximum performance of all the Signat amplifiers and loudspeakers, Signat has developed a specially conceived, extremely elaborate cable and accessory program under the name of 'Platinum'. These high-quality connection materials will highly contribute to the enhancement of each and every car audio install.

And there's more to Signat than just car audio. Just witness the 'inSight' multimedia devices, the security product line and the elaborate catalogue of 'Fits' adapters and interfaces. All of these products are closely related in order to create an optimum symbiosis. This goes to show that Signat really composes its product range 'for professionals'.

### AWG and mm<sup>2</sup>

Signat cables are measured in AWG (American Wire Gauge), the American standard which is logarithmic. This is about the same as calculating with deciBels. In this table the AWG wire cross-sections are converted to mm<sup>2</sup> according to the usual rounded standard as well as the precise values.

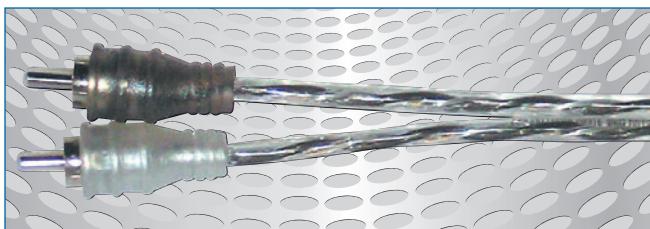
AWG	mm <sup>2</sup> (rounded)	mm <sup>2</sup> (precise)	AWG	mm <sup>2</sup> (rounded)	mm <sup>2</sup> (precise)
000	85	85	12	4.0	3.31
00	70	67.4	14	2.5	2.08
0	55	53.5	16	1.5	1.31
1	50	40.4	17	1.0	1.04
2	35	33.6	18	0.75	0.82
4	25	21.1	20	0.50	0.52
8	10	8.36	24	0.25	0.21
10	6.0	5.26	26	0.15	0.13

### Cable diameter

Electric cables in cars should have a certain cross-section to transfer the power and signals without losses through the hostile environment of the vehicle with all of its interferences caused by other electrical circuits. The recommended wire cross-section is based on the system's current draw and the length of the cable. Note that you can always use thicker cable (a lower AWG number); a power cable can never be too thick.

>150A	0/1 AWG	0/1 AWG	0/1 AWG	0/1 AWG	0/1 AWG	0/1 AWG
135 - 150A	4 AWG	0/1 AWG	0/1 AWG	0/1 AWG	0/1 AWG	0/1 AWG
105 - 135A	4 AWG	4 AWG	4 AWG	4 AWG	0/1 AWG	0/1 AWG
85 - 105A	8 AWG	8 AWG	4 AWG	4 AWG	4 AWG	0/1 AWG
65 - 85A	8 AWG	8 AWG	4 AWG	4 AWG	4 AWG	4 AWG
50 - 65A	8 AWG	8 AWG	8 AWG	4 AWG	4 AWG	4 AWG
35 - 50A	10 AWG	8 AWG	8 AWG	8 AWG	8 AWG	8 AWG
10 - 35A	10 AWG	10 AWG	8 AWG	8 AWG	8 AWG	8 AWG
Amperage draw cable length	0 - 5 ft	5 - 10 ft	10 - 13 ft	13 - 16ft	16 - 19ft	19 - 22ft
	0 - 1m50	1m50 - 3m	3m - 4m	4 - 5m	5 - 6m	6 - 7m





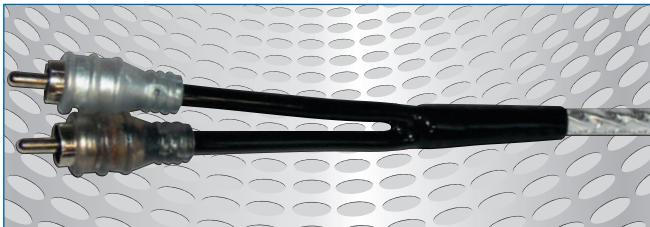
## high-value signal cable

- Twisted pair cable configuration for optimum noise resistance
- Silver-plated molded connectors
- Sliced collar for improved contact and reliable shockproof connection
- Extreme flexibility allows for an easy installation
- Clear outer jacket for enhanced cosmetics
- Excellent value for money performance



## product overview

S101003	interconnect	2-channel	3ft	1m
S101004	interconnect	2-channel	12ft	3m50
S101005	interconnect	2-channel	16ft	5m
S101001	Y-adapter	1 female to 2 male	1ft	30cm
S101002	Y-adapter	1 male to 2 female	1ft	30cm



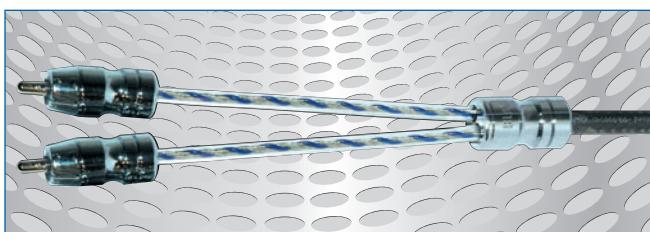
## super shielded signal cable

- Twisted pair cable configuration for optimum noise resistance
- Silver-plated molded connectors
- Sliced collar for improved contact and reliable shockproof connection
- Extreme flexibility allows for an easy installation
- Additional aluminum foil shield for ultimate noise resistance
- Clear outer jacket for enhanced cosmetics
- Black end jacket for additional strain relief



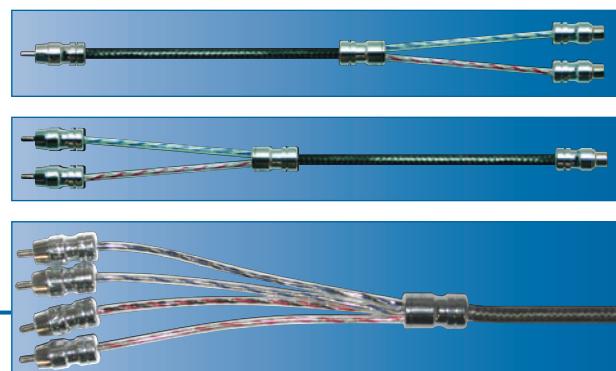
## product overview

S101303	interconnect	2-channel	3ft	1m
S101304	interconnect	2-channel	12ft	3m50
S101305	interconnect	2-channel	16ft	5m
S101301	Y-adapter	1 female to 2 male	1ft	30cm
S101302	Y-adapter	1 male to 2 female	1ft	30cm



## high-end signal cable

- Twisted pair cable configuration, mylar foil shield and a 95% double braided shield
- Super shielded for an unsurpassed level of noise rejection and a non-compromise high-end design
- Platinum-plated soldered screw connectors with sliced collar for improved contact and reliable shockproof connection
- Extreme flexibility allows for an easy installation
- Split ends with platinum-plated strain relief splitter bridge
- Available in 2-channel and also a 4-channel configuration for a total compact install

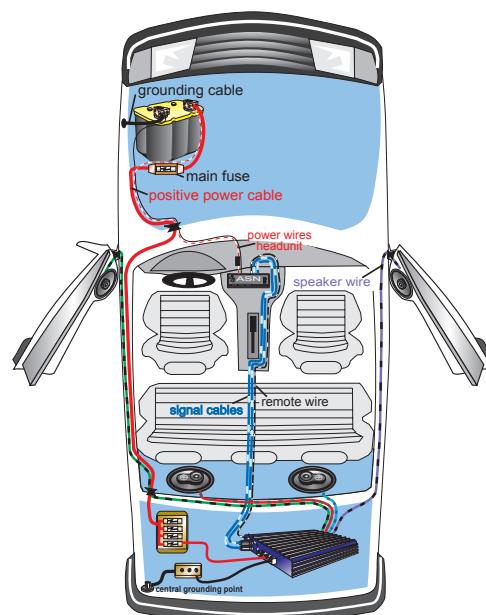


## product overview

S101603	interconnect	2-channel	3ft	1m
S101604	interconnect	2-channel	12ft	3m50
S101605	interconnect	2-channel	16ft	5m
S101606	interconnect	4-channel	12ft	3m50
S101607	interconnect	4-channel	16ft	5m
S101601	Y-adapter	1 female to 2 male	1ft	30cm
S101602	Y-adapter	1 male to 2 female	1ft	30cm

## Signal cables

To supply the amplifier with music, an RCA signal cable is needed, running from the headunit to the amplifier. This cable may never run next to the power wire, or it will pick up too much interference. So the signal cable has to be led through the other side of the car, unless the gutter overthere comprises already lots of noise generating carspecific wiring, like alarm cables, door locking cables, board computer cables etcetera. In this case it is preferable to run the RCA cable through the middle of the car. In normal cars, a double shielded signal cable will do. In noisy cars, which tend to pick up more interference, a superior shielded cable is recommended, like a twisted RCA cable, which even offers more protection against interferences.





## high-value loudspeaker cable

- Loudspeaker cable, black transparent jacket, tinned OFC cable
- Square/round insulation for easy plus/minus identification
- Extreme flexibility for an easy installation around corners



### product overview

S102001	speaker cable	square/round	2x16AWG	500ft	150m reel
S102002	speaker cable	square/round	2x14AWG	500ft	150m reel
S102003	speaker cable	square/round	2x12AWG	250ft	75m reel



## high-end loudspeaker cable

- Twisted pair loudspeaker cables, clear and smoke transparent jacket, tinned OFC cable
- Extreme flexibility allows for an easy installation around corners



### product overview

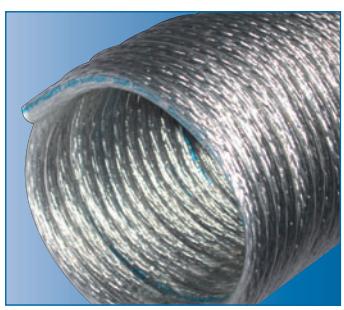
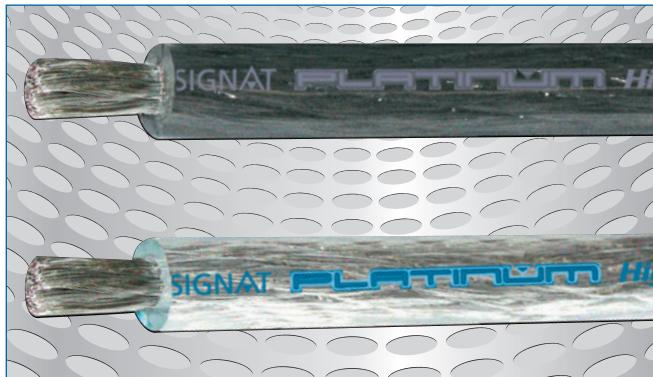
S102401	speaker cable	twisted	2x16AWG	500ft	150m reel
S102402	speaker cable	twisted	2x14AWG	500ft	150m reel
S102403	speaker cable	twisted	2x12AWG	250ft	75m reel



## Loudspeaker cables

The loudspeaker wires run from the amplifier to the loudspeakers. They tend to be fairly long and especially when they lead to doorspeakers, they have to travel a difficult way through grommet passages.

The copper used in the Platinum loudspeaker cables is OFC (oxygen-free copper). This 'pure' copper has got about 4500 copper crystals within one meter of a copper conductor. Thanks to the tinned layer around it improves the conductivity and reduces the oxidation.



## high-end power cable

- Transparant cable sleeve, clear for power , smoke black for ground
- Significantly large amount of strands for an extreme flexibility
- Braid twisted oxygen-free copper (OFC) wire
- Easy to install around corners

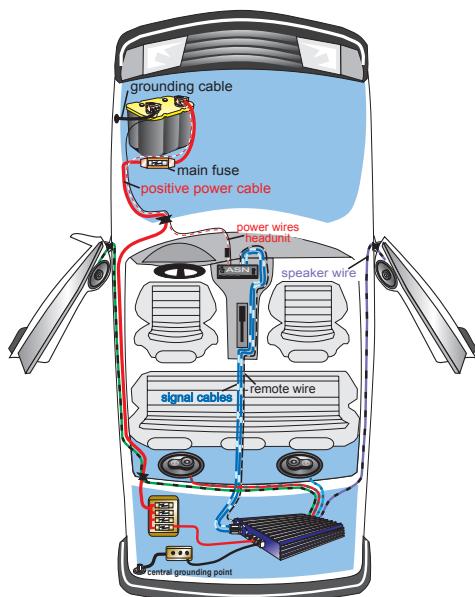


## product overview

S103001	8AWG power cable	clear transparent	651 strands	250ft	75m reel
S103201	8AWG ground cable	smoke transparent	651 strands	250ft	75m reel
S103002	4AWG power cable	clear transparent	1659 strands	100ft	30m reel
S103202	4AWG ground cable	smoke transparent	1659 strands	100ft	30m reel
S103003	2AWG power cable	clear transparent	4284 strands	25ft	7m50 reel
S103203	2AWG ground cable	smoke transparent	4284 strands	25ft	7m50 reel
S103004	0AWG power cable	clear transparent	4284 strands	25ft	7m50 reel
S103204	0AWG ground cable	smoke transparent	4284 strands	25ft	7m50 reel

## Power wiring

To supply the amplifier with power, the positive wire comes from the battery. Over there the cable is connected with a high-quality battery terminal. This guarantees an optimum contact surface and prevents corrosion - and therefore a bad connection. Within a distance of 30cm from the battery a waterproof fuseholder is needed. This fuse protects the entire car against fire in case of an accident or a short-circuit. The positive power cable has to be led through the car at the side where the battery is located. The cable runs from the engine compartment to the passenger compartment and from there to the trunk where the amplifier is located.





## cable kits

The elaborate Signat Platinum program allows you to choose the connection materials which will best fit your purpose. In order to support you to make the right decisions, Signat has conceived three extremely complete cable kits. These high-quality cable kits comprise every component you need to effectuate a successful and quick install of your car audio system. They supply all wiring needed for example to add an amplifier to your basic factory set-up of a headunit with loudspeakers. The cabling from headunit to the amplifier - signal cables and remote wire - is provided, as well as the power leads from the main car battery to the amplifier. A Platinum cable kit will certainly enhance your system's performance!

- Supreme quality cable kits for complete connection of an amplifier
- 16ft/4m88 twisted pair RCA interconnect cables (*high value* or *super shielded*), clear transparent jacket
- Tinned OFC power cable, clear transparent jacket
- Tinned OFC power ground cable, smoke transparent jacket
- 20ft/6m blue remote turn-on lead (from headunit to amplifier)
- Waterproof fuseholder (AGU or ANL) with fuse for installation close to the battery
- Assorted terminals



## product overview

S104301	8 AWG/10mm <sup>2</sup> high value cable kit: 16ft/5m power cable S105001 AGU fuse holder 2 ring terminals	3ft/1m ground cable 60A AGU fuse 2 spade terminals	S101005 RCA cable 5m 20ft/6m remote turn-on lead
S104401	4 AWG/25mm <sup>2</sup> high value cable kit: 16ft/5m power cable S105001 AGU fuse holder 2 ring terminals	3ft/1m ground cable 60A AGU fuse 2 spade terminals	S101005 RCA cable 5m 20ft/6m remote turn-on lead
S104501	2 AWG/35mm <sup>2</sup> super shielded cable kit: 16ft/5m power cable S105002 ANL fuse holder 2 ring terminals	3ft/1m ground cable 80A ANL wafer fuse	S101305 RCA cable 5m 20ft/6m remote turn-on lead

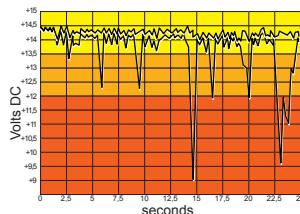


## Power caps

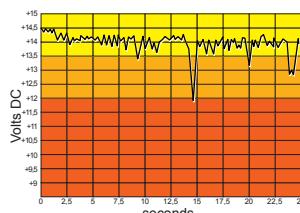
The power consumption of an amplifier can widely vary; it depends on the music and volume. The amplifier power available is determined by voltage x current ( $P = U \times I$ ). At moments of fast, heavy bass pulses, amplifiers can draw considerable amounts of current, up to hundreds of Ampères, since they feature an efficiency of only 50%. Because the current ( $I$ ) rises, the voltage ( $U$ ) collapses, as a result of the wire losses. Each long power cable, even the thickest one, (leading from the front of the car to the back) generates a magnetic field, which creates induction, and this means losses. To maintain a maximum performance of the amplifier, you can't increase the voltage (a car only has 13,6/12 Volts), but you can increase the fast current delivery. Only electrolytic capacitors with a very low internal resistance, like the Signat models S104001, S104105 and S104201, can release their stored current extremely fast. In this way voltage variations, which could damage the amplifier, are avoided. And the amplifier can feed the loudspeakers with maximum power and control.

1000 Watts  
car audio system

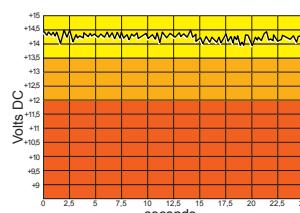
without capacitor



with 2 Farad capacitor



with 12 Farad capacitor



## high-value power capacitor

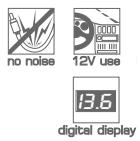
- 1 Farad electrolytic power capacitor
- Blue LED 3-digit digital voltage display
- 24 Volts DC maximum voltage
- Low internal resistance
- Reverse polarity protection
- Easy and safe charging and discharging
- Platinum plated heavy-duty terminals
- Plexiglass mounting brackets
- Dimensions 260x80mm





### neon power capacitor

- 2 Farad electrolytic power capacitor
- Blue LED 3-digit digital voltage display
- Blue neon ring and flashing blue LED's
- Chrome plated design, chrome-plated mounting brackets
- 24 Volts DC maximum voltage
- Low internal resistance, reverse polarity protection
- Easy and safe charging and discharging
- Platinum plated heavy-duty terminals
- Dimensions 262x80mm



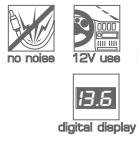
S104105    neon power capacitor

2F



### high-end power capacitor

- 12 Farad hybrid super power capacitor
- Two blue LED 3-digit Volts and Ampères displays
- 20 Volts DC maximum voltage
- Low internal resistance
- Reverse polarity protection
- Easy and safe charging and discharging
- Platinum plated heavy-duty terminals
- Delivered in a wooden box with white gloves
- Dimensions 255x125x83mm



S104201    high-end power capacitor

12F



## Fuse holders /distribution blocks

- Heavy duty shockproof plexiglass covers
- Platinum plated blocks and terminals



### product overview

S105001	Waterproof AGU inline fuse holder: 1x 4-8AWG in      1x 4-8AWG out	
S105002	Waterproof slanted mini ANL inline fuse holder: 1x 0~4AWG in      1x 0~4AWG out	
S105401	1 to 4 distribution block: 1x 4AWG in      4x 8AWG out	
S105431	2 to 4 power cable distribution / AGU fuse block: 1x 4AWG in      4x 4AWG out 1x OAWG in	
S105432	1 to 2 power cable distribution / mini ANL fuse block: 1x OAWG in      2x 4AWG out	
S105451	1 to 2 power waterproof cable distribution / mini ANL fuse block with 3-digit blue digital dual info display for Voltage / Amperage: 1x OAWG in      2x 4AWG out	



## BATTERY TERMINALS



### product overview

S105601	Battery plus (+) terminal:	2x 8AWG out	1x 4AWG out
S105602	Battery minus (-) terminal:	2x 8AWG out	1x 4AWG out
S105611	High-end battery plus (+) terminal, plexiglass cover:		
	2x 8AWG out	1x 4AWG out	1x 2AWG out
S105612	High-end battery minus (-) terminal, plexiglass cover:		
	2x 8AWG out	1x 4AWG out	1x 2AWG out
S105651	High-end battery plus (+) terminal with 3-digit blue digital display, plexiglass cover:		
	2x 8AWG out	1x 4AWG out	1x 2AWG out

## product overview

### AGU glass fuses

art.no.	current	dimensions	quantity
S106440	20 A	10,3x38mm	4 pieces
S106443	30 A	10,3x38mm	4 pieces
S106445	40 A	10,3x38mm	4 pieces
S106447	60 A	10,3x38mm	4 pieces



### ANL wafer fuses

art.no.	current	dimensions	quantity
S106420	30 A	large ANL	1 piece
S106421	100 A	large ANL	1 piece
S106423	150 A	large ANL	1 piece
S106425	200 A	large ANL	1 piece
S106401	30 A	mini ANL	2 pieces
S106402	40 A	mini ANL	2 pieces
S106403	60 A	mini ANL	2 pieces
S106404	80 A	mini ANL	2 pieces
S106405	100 A	mini ANL	2 pieces
S106406	150 A	mini ANL	2 pieces
S106407	200 A	mini ANL	2 pieces



## TERMINALS

### product overview

#### ring terminals

art.no.	Ø cable	Ø terminal	quantity
S107000	8AWG/10mm <sup>2</sup>	4,2mm	2 pairs
S107010	8AWG/10mm <sup>2</sup>	6,4mm	2 pairs
S107020	8AWG/10mm <sup>2</sup>	8,5mm	2 pairs
S107030	8AWG/10mm <sup>2</sup>	8,5mm	1 piece
S107005	4AWG/25mm <sup>2</sup>	4,2mm	2 pairs
S107014	4AWG/25mm <sup>2</sup>	6,4mm	2 pairs
S107022	4AWG/25mm <sup>2</sup>	8,5mm	2 pairs
S107007	2AWG/35mm <sup>2</sup>	4,2mm	1 pair
S107016	2AWG/35mm <sup>2</sup>	6,4mm	1 pair
S107024	2AWG/35mm <sup>2</sup>	8,5mm	1 pair
S107035	2AWG/35mm <sup>2</sup>	8,5mm	1 piece
S107009	1AWG/50mm <sup>2</sup>	4,2mm	1 pair
S107018	1AWG/50mm <sup>2</sup>	6,4mm	1 pair
S107026	1AWG/50mm <sup>2</sup>	8,5mm	1 pair



#### spade terminals

art.no.	Ø cable	Ø terminal	quantity
S107050	14AWG/2,5mm <sup>2</sup>	4,2mm	4 pairs
S107052	12AWG/4mm <sup>2</sup>	4,2mm	4 pairs
S107060	8AWG/10mm <sup>2</sup>	4,2mm	4 pairs



#### loudspeaker terminals

art.no.	Ø cable	Ø terminal	quantity
S107070	14AWG/2,5mm <sup>2</sup>	4,8/2,8mm	8 pairs
S107079	14AWG/2,5mm <sup>2</sup>	6,3mm	4 pairs
S107072	12AWG/4mm <sup>2</sup>	4,8/2,8mm	8 pairs
S107080	12AWG/4mm <sup>2</sup>	6,3mm	4 pairs



#### connection terminals

art.no.	Ø cable	Ø terminal	quantity
S107040	8AWG/10mm <sup>2</sup>	10mm <sup>2</sup>	1 piece
S107045	4AWG/25mm <sup>2</sup>	20mm <sup>2</sup>	1 piece

# SIGNAT

## PLATINUM

***Pictures may deviate. All products supplied as available.  
Subject to modifications without notice.***

dealer stamp:

art.no. S999022

SIGNAT  
[info@signat.de](mailto:info@signat.de)  
[www.signat.de](http://www.signat.de)